

array, or subaperture, imaging is apparent whereby an incoming signal is also modified by the writeable grating.

The OPA concept facilitates the idea of conformal apertures for aircraft-based lasers. These lasers would be used for self-defense, sensing, and force application. In Space OPAs are scalable to large apertures and high powers for SBLs while keeping the power-area ratio low. The OPA represents a distributed architecture that provides a graceful degradation.

The soon-to-kickoff research effort will award a number of small contracts to stimulate private investment and explore promising technologies in preparation for an eventual large-scale research effort.

Wave Packets

1. The following is an extract from the **ENACTMENT OF PROVISIONS OF H.R. 5408, THE FLOYD D. SPENCE NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2001**. It describes the level of funding for the new JTO and the congressional expectations

.....SEC. 241. FUNDING.

(a) FUNDING FOR FISCAL YEAR 2001- (1) of the amount authorized to be appropriated by section 201(4), \$30,000,000 is authorized for high energy laser development.

(2) Funds available under this subsection are available to supplement the high energy laser programs of the military departments and Defense Agencies, as determined by the official designated under section 243.

(b) SENSE OF CONGRESS- It is the sense of Congress that--

(1) the Department of Defense should establish funding for high energy laser programs within the science and technology programs of each of the military departments and the Ballistic Missile Defense Organization; and

(2) the Secretary of Defense should establish a goal that basic, applied, and advanced research in high energy laser technology should constitute at least 4.5 percent of the total science and technology budget of the Department of Defense by fiscal year 2004.

SEC. 242. IMPLEMENTATION OF HIGH ENERGY LASER MASTER PLAN.

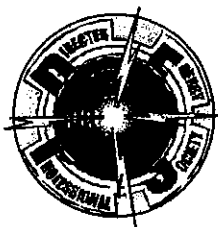
The Secretary of Defense shall implement the management and organizational structure specified in the Department of Defense High Energy Laser Master Plan of March 24, 2000.

SEC. 243. DESIGNATION OF SENIOR OFFICIAL FOR HIGH ENERGY LASER PROGRAMS.

(a) DESIGNATION- The Secretary of Defense shall designate a single senior civilian official in the Office of the Secretary of Defense (in this subtitle referred to as the 'designated official') to chair the High Energy Laser Technology Council called for in the master plan referred to in section 242 and to carry out responsibilities for the programs for which funds are provided under this subtitle. The designated official shall report directly to the Under Secretary of Defense for Acquisition, Technology, and Logistics for matters concerning the responsibilities specified in subsection (b).

(b) RESPONSIBILITIES- The primary responsibilities of the designated official shall include the following:

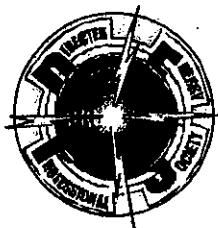
(1) Establishment of priorities for the high energy laser programs of the military departments and the Defense Agencies.



- (2) Coordination of high energy laser programs among the military departments and the Defense Agencies.
- (3) Identification of promising high energy laser technologies for which funding should be a high priority for the Department of Defense and establishment of priority for funding among those technologies.
- (4) Preparation, in coordination with the Secretaries of the military departments and the Directors of the Defense Agencies, of a detailed technology plan to develop and mature high energy laser technologies.
- (5) Planning and programming appropriate to rapid evolution of high energy laser technology.
- (6) Ensuring that high energy laser programs of each military department and the Defense Agencies are initiated and managed effectively and are complementary with programs managed by the other military departments and Defense Agencies and by the Office of the Secretary of Defense.
- (7) Ensuring that the high energy laser programs of the military departments and the Defense Agencies comply with the requirements specified in subsection (c).
- (c) **COORDINATION AND FUNDING BALANCE-** In carrying out the responsibilities specified in subsection (b), the designated official shall ensure that--
 - (1) high energy laser programs of each military department and of the Defense Agencies are consistent with the priorities identified in the designated official's planning and programming activities;
 - (2) funding provided by the Office of the Secretary of Defense for high energy laser research and development complements high energy laser programs for which funds are provided by the military departments and the Defense Agencies;
 - (3) programs, projects, and activities to be carried out by the recipients of such funds are selected on the basis of appropriate competitive procedures or Department of Defense peer review process;
 - (4) beginning with fiscal year 2002, funding from the Office of the Secretary of Defense in applied research and advanced technology development program elements is not applied to technology efforts in support of high energy laser programs that are not funded by a military department or the Defense Agencies; and
 - (5) funding from the Office of the Secretary of Defense to complement an applied research or advanced technology development high energy laser program for which funds are provided by one of the military departments or the Defense Agencies do not exceed the amount provided by the military department or the Defense Agencies for that program.

Calendar

1. The 3rd Annual DE Symposium was held during the week of 30 Oct 00 through 3 Nov 00 and was a huge success. The Army has already started planning for next year's symposium which will be held around the same timeframe, but at a location yet to be determined...please make a note on your calendar to check the DEPS website for further information.
2. Spring 2001 Workshop -- Watch for news on <http://www.deps.org/>.



Did You Know...?

That according to the Army FM 42-414; TACTICS TECHNIQUES AND PROCEDURES FOR QUARTERMASTER FIELD SERVICE COMPANY DIRECT SUPPORT defines

Directed energy mission-kill is the use of electromagnetic energy, such as visible light, infrared, millimeter waves, microwaves, or x-rays, to disable susceptible military targets by damaging or destroying a critical component of the military target.

Antimateriel Effects

Mission-kill effects to materiel include inducement of mechanical damage, overheating of components, inducement of electrical currents, or inducement of other effects to cause a variety of types of damage or system malfunction.

Antipersonnel Effects

Directed energy mission-kill antipersonnel effects cover a very wide range.

Sources of Directed Energy Mission-Kill Effects

Directed energy mission-kill effects can occur in training or combat. Effects in training or combat can occur when susceptible personnel or equipment are accidentally exposed by getting too close to nonweapons-directed energy sources such as radio transmitters, radars, electronic warfare jamming devices, television transmitters, television or communications microwave relays, laser range finders, laser designators, laser jammers, and similar devices. Some of these mission-kill effects are also sometimes technically categorized as electromagnetic interference or electromagnetic effects. Directed energy warfare is the use of and defense against directed energy weapons and devices in combat. Mission kill is one of a very large continuum of DEW effects on targets. The large variety of DEW target effects are used to provide a very wide range of combat functions including the following: detection of targets, illumination of targets to supplement night-viewing systems, identification and classification of targets, disruption of target function or mission, damage of targets, and destruction of targets. Examples of directed energy mission-kill devices include hand-held, crew-served, or vehicular-mounted laser devices and vehicular-mounted or artillery-delivered radio frequency devices.

The End....

EXHIBIT C

Dr. JUDY WOOD
202 Mulberry Ave.
Clemson, SC 29631

lisajudy@nctv.com

04-07-07

VIA FACSIMILE 202-395-3888 FEDEX & EMAIL

Ms. Susan J. Thornton
Air Force Research Laboratory
Directed Energy Directorate
Office of Public Affairs
3550 Aberdeen Avenue S.E.
Kirtland Air Force Base, NM 87117-5776

FedEx No. 8614 4577 3211

and Distribution List

Directed Energy Weapons destroy World Trade Center complex:

Ref.: Request for Correction per Section 515 Public Law
106-554

U.S. Department of Commerce, Office of Chief Information
Officer

See:

http://www.ocio.os.doc.gov/s/groups/public/%40doc/%40os/%40ocio/%40oitpp/documents/content/prod01_002667.pdf

Dear Sirs/Madam:

I am not so naïve as to think that leveling the charge that directed energy weapons (DEW) were a causal factor in the 9/11/01 (9/11) destruction of the World Trade Center complex (WTC) will be received as "good news" by U.S. governmental officials. This is not "good news" but it is a necessary query and a supported claim.

I am a research scientist with skills, expertise, background and training sufficient to enable me to

formulate rational, evidence-based findings and conclusions. I have amassed and caused to be filed with the National Institute of Standards and Technology (NIST) a Request for Correction (RFC), as referenced and accessible as above, that summarizes salient portions of the evidence substantiating the theory that DEW are a causal factor in the 9/11 destruction of the WTC.

I have also asserted that NIST's failure to properly explain that destruction results from fraud and that the fraud is a result of NIST having contracted with, among other parties, key manufacturers of DEW, key participants in official psychological operations (psy ops) and marketing firms, specializing in controlling public perception, as well as other parties having a clear and direct conflict of interest that would militate against an accurate description of what caused the destruction of the WTC on 9/11.

And the parties so engaged knew as much, or should have known.

Each of the persons to whom this letter is addressed can reasonably be expected to either know the extent to which the effects mentioned in the referenced RFC are consistent with DEW; or, know of persons who would know that information. I am aware, for example, that as of the year 2000, weapons having the capacity to destroy the WTC were deployed.

See: <http://www.deps.org/DEPSpages/graphics/wavefront2.pdf>

I am informed by my counsel, Attorney Jerry V. Leaphart, that it is appropriate to assume that many of those to whom this letter is addressed are persons whose positions within government and/or as private contractors, would probably place some or all of them within the purview of the rigors set forth in, among other places, 32 CFR Part 154.

Accordingly, and to that end, I am sending a copy of this letter to Mr. Clay Johnson III, Deputy Director of the Office of Management and Budget, who, I am told, is the overall supervisor and person in charge of the regulatory apparatus associated with security clearances.

I am doing that, on advice of counsel, in order to help avoid any reticence any of you might have in replying to the central query; to wit:

Are the effects set forth in the referenced RFC consistent with the destructive effects that would result from the use of DEW?

Because this query arises in the context of a presently pending challenge under the Data Quality Act, I assert that your replies cannot properly be used against you in any way under 32 CFR Part 154, or any other aspect of the requirements any of you may have as a result of your security clearances.

Written confirmation of the correctness of this observation from OMB Deputy Director for Management, Clay Johnson III, is requested. To be clear, I am requesting that Mr. Johnson confirm that there is nothing in any of the security clearances applicable to any of the persons to whom this is addressed that would preclude a forthcoming reply to the query posed above, concerning the effects associated with the use of High Energy Lasers and/or other directed energy weapons. On the other hand, if certain additional protocols or procedures are required to obtain a reply to the query, then I request Mr. Johnson indicate what procedures and protocols are to be followed to obtain the answers I am seeking.

Respectfully,

Dr. Judy Wood

Cc:
Mr. Clay Johnson III
OMB Deputy Director for Management
The Office of Management and Budget
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Washington, DC 20503
f- 202-395-3888

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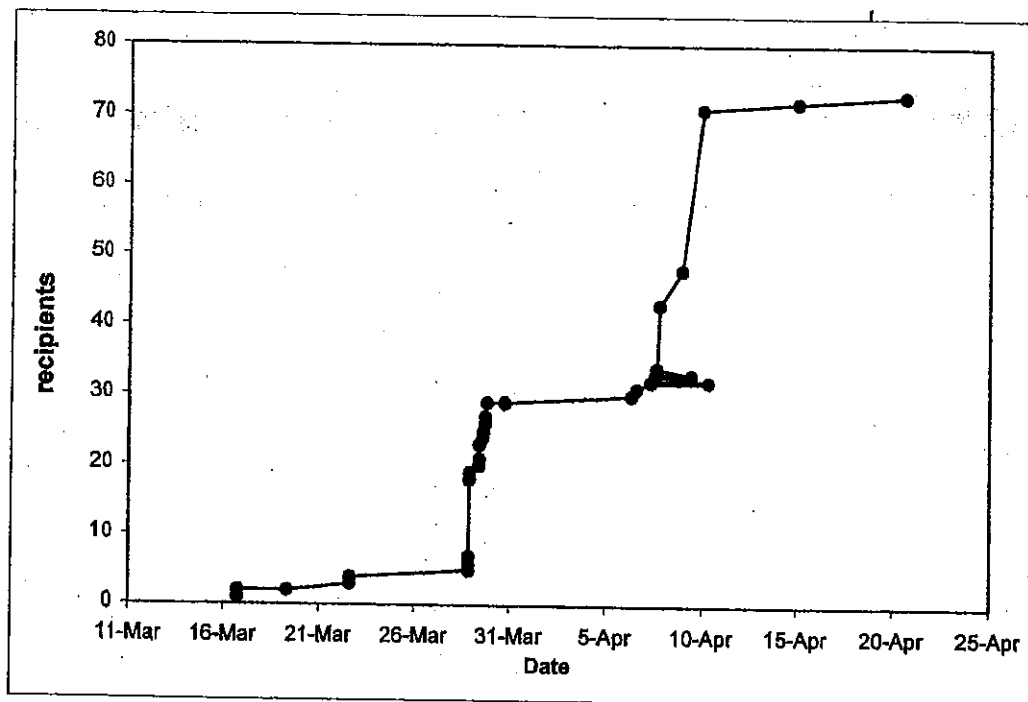
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Hon. Henry Waxman

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EXHIBIT D



33

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Fri,	1	3/16/07 17:23	x	csfletch@postmark.nist.gov	RFC	NIST			
Fri,	2	3/16/07 17:30	x	swillett@nist.gov	RFC	jw	NIST	jvl	
Mon	2	3/19/07 7:17	x	swillett@nist.gov	RFC	NIST			
Thu,	3	3/22/07 15:11	x	david.sharp@gmsllp.com	FEMA 403	jvl	SHARP		jd
Thu,	4	3/22/07 15:16	x	mszarghamee@sgh.com	ase RFC NCSTA	jvl	SGH	jd	
Wed	5	3/28/07 19:59	x	anderzone@aol.com	LETTER A	jw			jvl, jw
Wed	6	3/28/07 19:59	x	doug@DougBeason.com	B-LETTER A	jw			jvl, jw
Wed	7	3/28/07 19:59	x	rangel@as.arizona.edu	LETTER A	jw	edu		jvl, jw
Wed	18	3/28/07 20:34	x	eduff@deps.org, wbaker@dep	B-LETTER B (Be	jvl	DEPS		jw
Wed	19	3/28/07 21:07	x	afri.public.affairs@kirtland.af.m	B-LETTER B (Be	jvl	KIRTLAND		jw
Thu,	20	3/29/07 8:13	x	saftergood@fas.org	B-LETTER C (kir	jvl	FAS		jw
Thu,	21	3/29/07 8:55	x	dshapley@fas.org	B-LETTER B (Be	jw	FAS	rich@fas	jvl, jw
Thu,	23	3/29/07 8:59	x	mamarelo@fas.org (Monica Ar	B-LETTER B (Be	jw	FAS		jvl, jw
Thu,	23	3/29/07 8:44	x	saftergood@fas.org	B-LETTER C (kir	FAS			
Thu,	24	3/29/07 13:15	x	fas@fas.org	B-LETTER B (Be	jw	FAS		jvl, jw
Thu,	25	3/29/07 14:30	x	te14@cornell.edu	B-LETTER C (kir	jvl	edu		jw
Thu,	26	3/29/07 16:42	x	RICHARD.S.ST.JOHN@saic.c	LETTER A	jw	SAIC		jvl, jw
Thu,	27	3/29/07 16:44	x	steve.rose@ngc.com	LETTER A	jw	ngc		jvl, jw
Thu,	29	3/29/07 18:34	x	info.quality@nist.gov, swillett@	RFC-1a	jw	NIST		jw
Fri,	29	3/30/07 16:32	x	catherine.fletcher@nist.gov	RFC-1a	NIST			
Fri,	29	3/30/07 17:10	x	catherine.fletcher@nist.gov	RFC-1a	NIST			
Fri,	30	4/6/07 6:59	x	geoffrey.a.landis@nasa.gov, g	B-LETTER B (Be	jw	NASA		jvl, jw
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Sat,	32	4/7/07 6:41	jvl	Henry Waxman	S-LETTER web	jvl			
Tue,	32	4/10/07 6:41	x	Henry Waxman	S-LETTER web				
Sat,	33	4/7/07 12:34		Susan J. Thornton	S-LETTER FedX	jvl			
Mon	33	4/9/07 9:03	x	Susan J. Thornton	S-LETTER FedX		jvl		
Sat,	34	4/7/07 13:55		Clay Johnson III	S-LETTER fax	jvl			
Sat,	34	4/7/07 13:55	x	Clay Johnson III	S-LETTER fax		jvl		

[illegible]

LEGEND:

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multiple recipients

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jvl in the print column = jvl informed me verbally

yes if only the "yes" box is colored, it is just receipt of notification, not an actual reply

days

yes	Catherine Fletcher	Judy_NIST_RFC6.pdf	
0.01	Catherine Fletcher	out of office, contact Steve Willett	
yes	Steve Willett	Judy_NIST_RFC6.pdf	
2.57	Steve Willett	confirm receipt	
	David Sharp		
	Dr. Mehdi Zarghamee	http://janedoe0811.tripod.com/070322_PR.html	
	Kevin J. Anderson	5-pictures	World Trade Center and Directed Energy Weaponry
	Dr. Douglas Beason	5-pictures	World Trade Center and Directed Energy Weaponry
	Dr. J. Roger P. Angel	5-pictures	World Trade Center and Directed Energy Weaponry
	(DEPS board members)	5-pictures	World Trade Center and Directed Energy Weaponry
	Public Affairs, Kirtland AFB	5-pictures	World Trade Center and Directed Energy Weaponry
yes	Steven Aftergood	5-pictures	World Trade Center and Directed Energy Weaponry
	Leonard Weiss, Chairman, Weapor	5-pictures	World Trade Center and Directed Energy Weaponry
	Monica Amarelo, Lucas Royland	5-pictures	World Trade Center and Directed Energy Weaponry
0.02	Steven Aftergood	sorry, i can't help with this	
	FAS, Henry Kelly	5-pictures	World Trade Center and Directed Energy Weaponry
	Dr. Thomas Eisner	5-pictures	World Trade Center and Directed Energy Weaponry
	Dr Richard St John	5-pictures	World Trade Center and Directed Energy Weaponry
	Mr Steve Rose	5-pictures	World Trade Center and Directed Energy Weaponry
yes	NIST, cc: willett	Wood_supplement1_to_RFC.pdf	
0.92		confirm receipt	
0.94		confirm receipt	
	Geoffrey Landis	5-pictures	World Trade Center and Directed Energy Weaponry
	Directed Energy Directorate	5-pictures	World Trade Center and Directed Energy Weaponry
yes	Committee on Oversight and Government Reform – Henry Waxman, Chair		
3.00	Committee on Oversight and Government Reform – Henry Waxman, Chair		
yes	Susan J. Thornton	Tracking number 861445773 fedex delivery confirmation 4/07 to Thornton	
1.85	Susan J. Thornton	Tracking number 861445773 Signed for by D.MARTINEZ Delivered to Receptionist/Frx	
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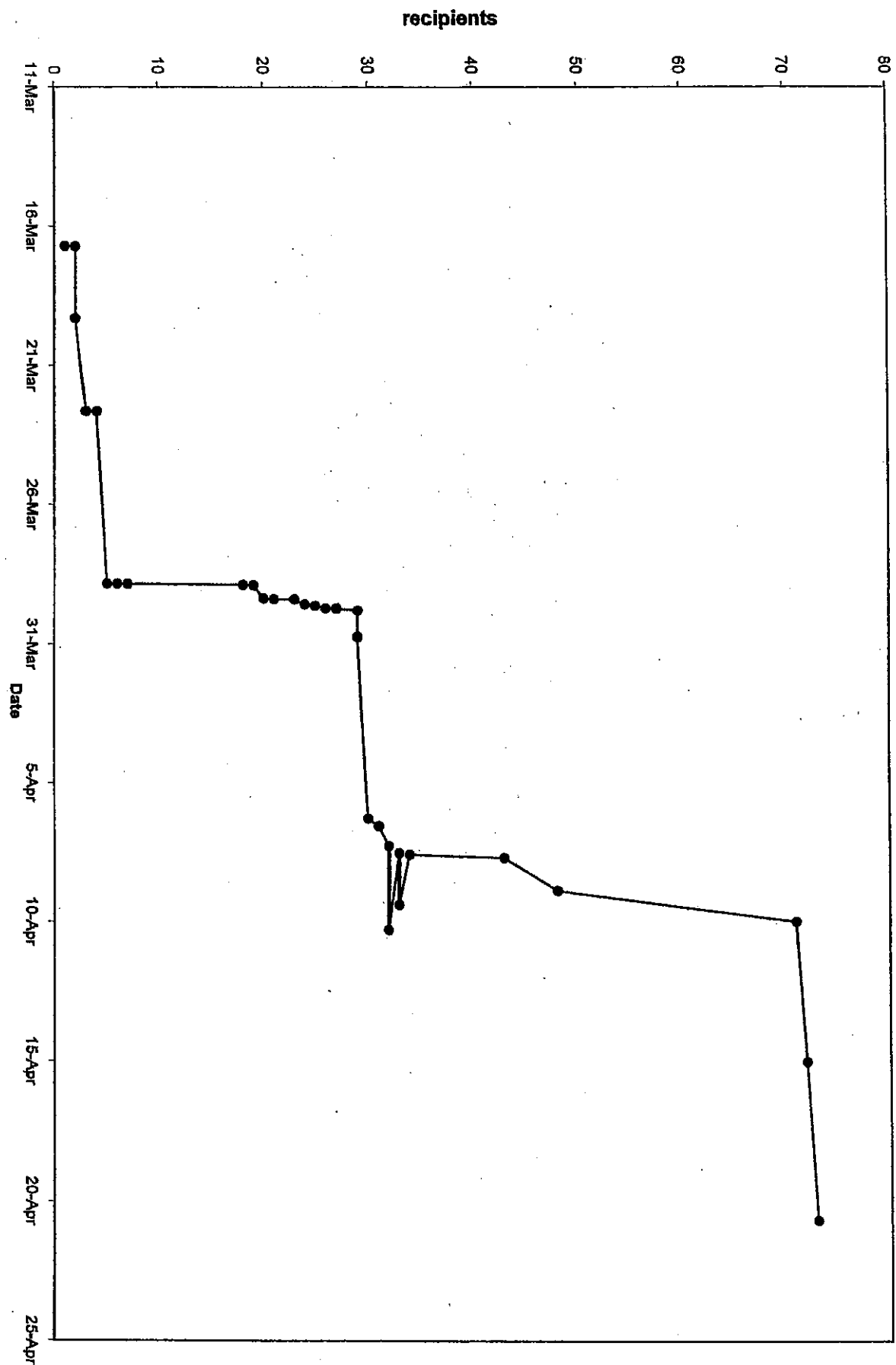
our garig

yes Committee on Oversight and Government Reform -- Henry Waxman, Chair

0.00 Committee on Oversight and Government Reform -- Henry Waxman, Chair

yes NIST, cc: willett

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ont Desk

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Pr 6 A	7/6/07	12-11-07	12-11-07			

bcc	answered	NAME	attachments
		Steven S. Lipp	Affidavit on Olfactory Sensations on 9/11 a
W		Steven S. Lipp	Affidavit on Olfactory Sensations on 9/

nd Beyond
11 and Beyond

EXHIBIT E

NATIONAL CONSTRUCTION SAFETY TEAM FOR THE FEDERAL BUILDING AND FIRE SAFETY INVESTIGATION OF THE WORLD TRADE CENTER DISASTER

S. Shyam Sunder, Sc.D. (NIST)	Lead Investigator
Richard G. Gann, Ph.D. (NIST)	Final Report Editor; Project Leader, Project 5: Reconstruction of Thermal and Tenability Environment
William L. Grosshandler, Ph.D. (NIST)	Associate Lead Investigator; Project Leader, Project 4: Investigation of Active Fire Protection Systems
H.S. Lew, Ph.D., P.E. (NIST)	Co-Project Leader, Project 1: Analysis of Building and Fire Codes and Practices
Richard W. Bukowski, P.E. (NIST)	Co-Project Leader, Project 1: Analysis of Building and Fire Codes and Practices
Fahim Sadek, Ph.D. (NIST)	Project Leader, Project 2: Baseline Structural Performance and Aircraft Impact Damage Analysis
Frank W. Gayle, Ph.D. (NIST)	Project Leader, Project 3: Mechanical and Metallurgical Analysis of Structural Steel
John L. Gross, Ph.D., P.E. (NIST)	Co-Project Leader, Project 6: Structural Fire Response and Collapse Analysis
Therese P. McAllister, Ph.D., P.E. (NIST)	Co-Project Leader, Project 6: Structural Fire Response and Collapse Analysis
Jason D. Averill (NIST)	Project Leader, Project 7: Occupant Behavior, Egress, and Emergency Communications
J. Randall Lawson (NIST)	Project Leader, Project 8: Fire Service Technologies and Guidelines
Harold E. Nelson, P.E.	Fire Protection Engineering Expert
Stephen A. Cauffman (NIST)	Program Manager

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